

**Listing of claims:**

1. (amended) An isolated DNA comprising the sequence as set forth in SEQ ID NO:2 which codes for a mutated collagen X or a portion thereof wherein the expression of ~~said~~ the DNA regulates bone growth.
2. (canceled)
3. (original) A vector which comprises the DNA of claim 1.
4. (amended) A method of production of the a mutated collagen X polypeptide which regulates bone growth comprising (a) introducing the vector of claim 3 into a host cell, (b) culturing the host cell whereby the mutated collagen X polypeptide is expressed, and (c) isolating the mutated collagen X polypeptide ~~a host-vector of claim 3 and an appropriate host.~~
5. (original) The method of claim 4, wherein the host is either a prokaryotic or eukaryotic cell.